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TITLE: ABSORBENT FOR REMOVING MINOR COMPONENT IN HYDROCARBONIC GAS

PUBN-DATE: March 25, 1997

INVENTOR-INFORMATION:

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APPL-NO: JP07258321

APPL-DATE: September 12, 1995

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ABSTRACT:

PROBLEM TO BE SOLVED: To efficiently remove a minute amt. of sulfur compds. in an adsorbent prepared by depositing metal on a reformed binderless zeolite obtained by heat-treating a binderless zeolite having a micropore by specifying the heat- treating temp., deposited metal and content of a crystalline body in each zeolite, respectively.

SOLUTION: An A- or X-type zeolite having a first micropore and a micropore us heat-treated at 500-1,200°C to form the definite number of second micropores to form an A- or X-type reformed binderless zeolite on which a metal selected from a group consisting of manganese, cobalt, copper, nickel, iron and platinum is deposited. At this time, a zeolite crystalline body havi a micropore is incorporated into the binderless zeolite by 95-100wt.%, and the reformed binderless zeolite contains 90-96wt.% zeolite crystalline body having a micropore. Consequently, a minute amt. of sulfur compds. in gaseous hydrocarbons are efficiently removed

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